RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _____10/572,827_____

Source: _____IFWP_____

Date Processed by STIC: _____03/31/2006_____

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IFWP

RAW SEQUENCE LISTING   DATE: 03/31/2006
PATENT APPLICATION: US/10/572,827   TIME: 12:16:47

Input Set : A:\2750-1573PUS1.ST25.txt
Output Set: N:\CRF4\03292006\J572827.raw

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    2 <110> APPLICANT: CERES, INC.
    4 <120> TITLE OF INVENTION: NUCLEOTIDE SEQUENCES AND POLYPEPTIDES ENCODED THEREBY USEFUL
FOR
    5       INCREASING PLANT SIZE AND INCREASING THE NUMBER AND SIZE OF LEAVES
    7 <130> FILE REFERENCE: 2750-1573F(PC)
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/572,827
C--> 10 <141> CURRENT FILING DATE: 2006-03-21
   12 <160> NUMBER OF SEQ ID NOS: 50
   14 <170> SOFTWARE: PatentIn version 3.0
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   17 <211> LENGTH: 1453
   18 <212> TYPE: DNA
   19 <213> ORGANISM: Zea mays subsp. mays
   21 <220> FEATURE:
   22 <221> NAME/KEY: misc_feature
   23 <222> LOCATION: (1)..(1453)
   24 <223> OTHER INFORMATION: ceres Seq. ID no. 12355477
   27 <400> SEQUENCE: 1
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   30 ccgagccaaa tctaggggct tccttcatcc gagcgtggtt tcaattctag gggtagtcac  120
   32 ctcacctgaa ttccgcccaa ataaattcgt cgctgccttg tgatccttgg ggtttccttg  180
   34 gttcttgagt tgcgatcttc tgctggttcg tgtcccccaa tccgtaatca atccggcgtc  240
   36 taggaaacca attgctgctc agttctctta tttgctcctc gccttccttc ctccagcctg  300
   38 gttaaaatat cgaaagggga ttttttttta aaaatctgct catcgaggaa gcagggaaga  360
   40 caagaattgt tgcatcggat aaaggtcggg tgaaaataca agcaaatcct gggaactcgc  420
   42 gtcccttttgc taggtggttc tttcctgata caaagaacac aatgggcgat gtgtccttga  480
   44 acggacccat taaggctgct gagccaggtg ccggtggcat tgccaagggc aatcaagttc  540
   46 tggacacgat gtccgccggg tggacagacg agagacacag gctgtatata agctctatgg  600
   48 aggcctcttt cgtcgatcaa ctgtacaacc acgggagccg tccgcgcaac gcaaacggca  660
   50 ccgccttcaa ggctctccgc agggagtacg tcgagtatga gaagaccgat gctcctgtgc  720
   52 gaagggggggc taagtgctgc ggcgttcctg caaatccttg gatgcagcat ttcaggccac  780
   54 gtagtgatgg cggtaataac gcgcgaggcg atgggctcgg ggattctgtg ggcgatcttg  840
   56 aatctggcac tgaggcaaac cggaagagcc tctcagcgtc tcatggaagg gaacgggacg  900
   58 cttgtgaggg agaaccccag cttctccatg aaagtagaga ggtctctgat caaaattttg  960
   60 ctgacgacga ggctgaagct gaaacagaat caatgaaagc atacaagaaa aggagattaa 1020
   62 gcaggacaat gatcaactaa atttgcaggg tcaattagct tagcctgttg caggaattga 1080
   64 gatgactgtc ctaaaaggag gcagtaagat gatgggacat gtcttacgaa attttcagct 1140
   66 gttgcctctt ggtagccaag gcactttgaa tccgaaggaa ggtgttgaag ggtagttgtt 1200
   68 agtgatcttg tgatgatata acgagctctg gagcagttag catcggcatt ttagtggatt 1260
   70 atgttcttgt tatgtgtatc tgtctatttt tcagtcctca tcggtagtgc tgcatagtac 1320
   72 ctcgctctct cgtcagaagg atattaggct aggtcactgt tattaaattt ttcaataaca 1380
   74 gtgaagtgta catgtgtttg ccaaatggtg agaatcatta ttgatttcca attcacaaac 1440
   76 tattctttat gcc                                                      1453
   79 <210> SEQ ID NO: 2
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RAW SEQUENCE LISTING   DATE: 03/31/2006
PATENT APPLICATION: US/10/572,827   TIME: 12:16:47

Input Set : A:\2750-1573PUS1.ST25.txt
Output Set: N:\CRF4\03292006\J572827.raw

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81  <212> TYPE: DNA
82  <213> ORGANISM: Zea mays subsp. mays
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87  gccaagggca atcaagttct ggacacgatg tccgccgggt ggacagacga gagacacagg       120
89  ctgtatataa gctctatgga ggcctctttc gtcgatcaac tgtacaacca cgggagccgt       180
91  ccgcgcaacg caaacggcac cgccttcaag gctctccgca gggagtacgt cgagtatgag       240
93  aagaccgatg ctcctgtgcg aaggggggct aagtgctgcg gcgttcctgc aaatccttgg       300
95  atgcagcatt tcaggccacg tagtgatggc ggtaataacg cgcgaggcga tgggctcggg       360
97  gattctgtgg gcgatcttga atctggcact gaggcaaacc ggaagagcct ctcagcgtct       420
99  catggaaggg aacgggacgc ttgtgaggga gaaccccagc ttctccatga aagtagagag       480
101 gtctctgatc aaaattttgc tgacgacgag gctgaagctg aaacagaatc aatgaaagca       540
103 tacaagaaaa ggagattaag caggacaatg atcaac                                 576
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107 <211> LENGTH: 192
108 <212> TYPE: PRT
109 <213> ORGANISM: Zea mays subsp. mays
111 <220> FEATURE:
112 <221> NAME/KEY: peptide
113 <222> LOCATION: (1)..(192)
114 <223> OTHER INFORMATION: ceres Seq. ID no. 12355478
117 <400> SEQUENCE: 3
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119 1               5                   10                  15
121 Ala Gly Gly Ile Ala Lys Gly Asn Gln Val Leu Asp Thr Met Ser Ala
122             20                  25                  30
124 Gly Trp Thr Asp Glu Arg His Arg Leu Tyr Ile Ser Ser Met Glu Ala
125         35                  40                  45
127 Ser Phe Val Asp Gln Leu Tyr Asn His Gly Ser Arg Pro Arg Asn Ala
128     50                  55                  60
130 Asn Gly Thr Ala Phe Lys Ala Leu Arg Arg Glu Tyr Val Glu Tyr Glu
131 65                  70                  75                  80
133 Lys Thr Asp Ala Pro Val Arg Arg Gly Ala Lys Cys Cys Gly Val Pro
134             85                  90                  95
136 Ala Asn Pro Trp Met Gln His Phe Arg Pro Arg Ser Asp Gly Gly Asn
137             100                 105                 110
139 Asn Ala Arg Gly Asp Gly Leu Gly Asp Ser Val Gly Asp Leu Glu Ser
140         115                 120                 125
142 Gly Thr Glu Ala Asn Arg Lys Ser Leu Ser Ala Ser His Gly Arg Glu
143     130                 135                 140
145 Arg Asp Ala Cys Glu Gly Glu Pro Gln Leu Leu His Glu Ser Arg Glu
146 145                 150                 155                 160
148 Val Ser Asp Gln Asn Phe Ala Asp Asp Glu Ala Glu Ala Glu Thr Glu
149                 165                 170                 175
151 Ser Met Lys Ala Tyr Lys Lys Arg Arg Leu Ser Arg Thr Met Ile Asn
152             180                 185                 190
156 <210> SEQ ID NO: 4
157 <211> LENGTH: 489
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RAW SEQUENCE LISTING   DATE: 03/31/2006
PATENT APPLICATION: US/10/572,827   TIME: 12:16:47

Input Set : A:\2750-1573PUS1.ST25.txt
Output Set: N:\CRF4\03292006\J572827.raw

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159 <213> ORGANISM: Zea mays subsp. mays
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164 ttcgtcgatc aactgtacaa ccacgggagc cgtccgcgca acgcaaacgg caccgccttc     120
166 aaggctctcc gcagggagta cgtcgagtat gagaagaccg atgctcctgt gcgaaggggg     180
168 gctaagtgct gcggcgttcc tgcaaatcct tggatgcagc atttcaggcc acgtagtgat     240
170 ggcggtaata acgcgcgagg cgatgggctc ggggattctg tgggcgatct tgaatctggc     300
172 actgaggcaa accggaagag cctctcagcg tctcatggaa gggaacggga cgcttgtgag     360
174 ggagaacccc agcttctcca tgaaagtaga gaggtctctg atcaaaattt tgctgacgac     420
176 gaggctgaag ctgaaacaga atcaatgaaa gcatacaaga aaggagatt aagcaggaca     480
178 atgatcaac                                                             489
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182 <211> LENGTH: 163
183 <212> TYPE: PRT
184 <213> ORGANISM: Zea mays subsp. mays
186 <220> FEATURE:
187 <221> NAME/KEY: peptide
188 <222> LOCATION: (1)..(163)
189 <223> OTHER INFORMATION: ceres Seq. ID no. 12355479
192 <400> SEQUENCE: 5
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194 1               5                   10                  15
196 Met Glu Ala Ser Phe Val Asp Gln Leu Tyr Asn His Gly Ser Arg Pro
197             20                  25                  30
199 Arg Asn Ala Asn Gly Thr Ala Phe Lys Ala Leu Arg Arg Glu Tyr Val
200         35                  40                  45
202 Glu Tyr Glu Lys Thr Asp Ala Pro Val Arg Arg Gly Ala Lys Cys Cys
203     50                  55                  60
205 Gly Val Pro Ala Asn Pro Trp Met Gln His Phe Arg Pro Arg Ser Asp
206 65                  70                  75                  80
208 Gly Gly Asn Asn Ala Arg Gly Asp Gly Leu Gly Asp Ser Val Gly Asp
209             85                  90                  95
211 Leu Glu Ser Gly Thr Glu Ala Asn Arg Lys Ser Leu Ser Ala Ser His
212             100                 105                 110
214 Gly Arg Glu Arg Asp Ala Cys Glu Gly Glu Pro Gln Leu Leu His Glu
215         115                 120                 125
217 Ser Arg Glu Val Ser Asp Gln Asn Phe Ala Asp Asp Glu Ala Glu Ala
218     130                 135                 140
220 Glu Thr Glu Ser Met Lys Ala Tyr Lys Lys Arg Arg Leu Ser Arg Thr
221 145                 150                 155                 160
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229 <212> TYPE: DNA
230 <213> ORGANISM: Zea mays subsp. mays
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233 atggaggcct ctttcgtcga tcaactgtac aaccacggga gccgtccgcg caacgcaaac      60
235 ggcaccgcct tcaaggctct ccgcagggag tacgtcgagt atgagaagac cgatgctcct     120
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RAW SEQUENCE LISTING   DATE: 03/31/2006
PATENT APPLICATION: US/10/572,827   TIME: 12:16:47

Input Set : A:\2750-1573PUS1.ST25.txt
Output Set: N:\CRF4\03292006\J572827.raw

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237 gtgcgaaggg gggctaagtg ctgcggcgtt cctgcaaatc cttggatgca gcatttcagg    180
239 ccacgtagtg atggcggtaa taacgcgcga ggcgatgggc tcggggattc tgtgggcgat    240
241 cttgaatctg gcactgaggc aaaccggaag agcctctcag cgtctcatgg aagggaacgg    300
243 gacgcttgtg agggagaacc ccagcttctc catgaaagta gagaggtctc tgatcaaaat    360
245 tttgctgacg acgaggctga agctgaaaca gaatcaatga aagcatacaa gaaaaggaga    420
247 ttaagcagga caatgatcaa c                                             441
251 <210> SEQ ID NO: 7
252 <211> LENGTH: 147
253 <212> TYPE: PRT
254 <213> ORGANISM: Zea mays subsp. mays
256 <220> FEATURE:
257 <221> NAME/KEY: peptide
258 <222> LOCATION: (1)..(147)
259 <223> OTHER INFORMATION: ceres Seq. ID no. 12355480
262 <400> SEQUENCE: 7
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266 Arg Asn Ala Asn Gly Thr Ala Phe Lys Ala Leu Arg Arg Glu Tyr Val
267             20                  25                  30
269 Glu Tyr Glu Lys Thr Asp Ala Pro Val Arg Arg Gly Ala Lys Cys Cys
270         35                  40                  45
272 Gly Val Pro Ala Asn Pro Trp Met Gln His Phe Arg Pro Arg Ser Asp
273     50                  55                  60
275 Gly Gly Asn Asn Ala Arg Gly Asp Gly Leu Gly Asp Ser Val Gly Asp
276 65                  70                  75                  80
278 Leu Glu Ser Gly Thr Glu Ala Asn Arg Lys Ser Leu Ser Ala Ser His
279                 85                  90                  95
281 Gly Arg Glu Arg Asp Ala Cys Glu Gly Glu Pro Gln Leu Leu His Glu
282             100                 105                 110
284 Ser Arg Glu Val Ser Asp Gln Asn Phe Ala Asp Asp Glu Ala Glu Ala
285         115                 120                 125
287 Glu Thr Glu Ser Met Lys Ala Tyr Lys Lys Arg Arg Leu Ser Arg Thr
288     130                 135                 140
290 Met Ile Asn
291 145
296 <210> SEQ ID NO: 8
297 <211> LENGTH: 1494
298 <212> TYPE: DNA
299 <213> ORGANISM: Zea mays subsp. mays
301 <220> FEATURE:
302 <221> NAME/KEY: misc_feature
303 <222> LOCATION: (1)..(1494)
304 <223> OTHER INFORMATION: ceres Seq. ID no. 12410516
307 <400> SEQUENCE: 8
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310 ctctctgtct ctctatctcc ttctgttctt agacgtttct ccatagcctg agccaaatct    120
312 aggggcttg cttcatctgc tgtccgatcg tggtttggtt tctcggggct ggcgcggtca    180
314 agagcgcacc tgaattccac cgaaatccgc cacggtagtt cttgcctagg tgtgtcgttg    240
316 gtcgttgcct tgtgaccctt gcggatttc ttgtttcttt ttgagttgcg atctttgcag    300
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318 gttagtctcc cccccaatcc gtaatcatcc ggcgtctagg aaactgcagt ccagttttct  360
320 tatttgttcg tctcgtgcct tctccccatc ctggttagaa agaatatcgg aaggggatt   420
322 tttttttttg cctgttcgta gaggaagcag tgaagacata attgttgcat ctgataaagc  480
324 tcgggcgaaa tacacgcaaa tccttggaat tttgcatccc tttgctggct cttttctgat  540
326 tcagagaacc caatggggga tgtgtccttg aatcgacccg ttaaggccga gccaactgcc  600
328 ggtggcattg ccaagggaaa ccgagttctg gacacgatgt ccgccgggtg gacggacgag  660
330 agacacatgc tgtatataag ctccatggag gcttcttttg tcgatcagct atacaaccat  720
332 ggaaaccatc cgcacgacgc aaatggcgct ggcttcaagg ttctccgcag gggggtgtgg  780
334 gagtacatcg agtatgagaa gaccagtgcc cctgtgcgaa gtggggctaa atgctgcgtc  840
336 cctgcaaatc cttggatccg gcatttcagg ccacgtgact gcggtagtaa cgcacagagt  900
338 gacgcggtcg aggcctcagt gggcgaccat gagtcgggta ctcaggcaag ccgcaagagc  960
340 ccttcagtgt ctcatggaag ggaacgggga gcttgtaagg agaaccccca gattctacat  1020
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344 tcaatgaaag catgcaagaa aaggagacta agcagggctt tgcactccgg tgctgaatga  1140
346 tcaagtaaat tcgcaggaac aattagctta gcctgttgca agaatcgata tgatttatcc  1200
348 taaaagaagg tgttaagatg atgggacatg gctttcaaaa ctttcagctg ttgcctgctg  1260
350 gtagccaaga cacactgaat ccgaaggaag gcgttgaagg gtagctgtta gtgattttgt  1320
352 gatataaaga gtactggggc agttagcatc ggcattttta gcggatttaa gttcttgtta  1380
354 tgtatatctg tcttctgtct tcatcagtag tgctgcttag tacctcactc tctcgtcagc  1440
356 aggatatttc tatatattgt ctgtacttgg tagatatatg tattggttga tccg         1494
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361 <211> LENGTH: 585
362 <212> TYPE: DNA
363 <213> ORGANISM: Zea mays subsp. mays
365 <400> SEQUENCE: 9
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368 aagggaaacc gagttctgga cacgatgtcc gccgggtgga cggacgagag acacatgctg   120
370 tatataagct ccatggaggc ttcttttgtc gatcagctat acaaccatgg aaaccatccg   180
372 cacgacgcaa atggcgctgg cttcaaggtt ctccgcaggg gggtgtggga gtacatcgag   240
374 tatgagaaga ccagtgcccc tgtgcgaagt ggggctaaat gctgcgtccc tgcaaatcct   300
376 tggatccggc atttcaggcc acgtgactgc ggtagtaacg cacagagtga cgcggtcgag   360
378 gcctcagtgg cgaccatga gtcgggtact caggcaagcc gcaagagccc ttcagtgtct    420
380 catggaaggg aacggggagc ttgtaaggga gaaccccaga ttctacatga aagtacagag   480
382 gtctctgatc aaaattttgc tgacgatgag gctgaagctg aaacagaatc aatgaaagca   540
384 tgcaagaaaa ggagactaag cagggctttg cactccggtg ctgaa                    585
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389 <211> LENGTH: 195
390 <212> TYPE: PRT
391 <213> ORGANISM: Zea mays subsp. mays
393 <220> FEATURE:
394 <221> NAME/KEY: peptide
395 <222> LOCATION: (1)..(195)
396 <223> OTHER INFORMATION: ceres Seq. ID no. 12410517
399 <400> SEQUENCE: 10
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403 Gly Gly Ile Ala Lys Gly Asn Arg Val Leu Asp Thr Met Ser Ala Gly
404             20                  25                  30
406 Trp Thr Asp Glu Arg His Met Leu Tyr Ile Ser Ser Met Glu Ala Ser
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 03/31/2006
PATENT APPLICATION: US/10/572,827   TIME: 12:16:48

Input Set : A:\2750-1573PUS1.ST25.txt
Output Set: N:\CRF4\03292006\J572827.raw

<u>Please Note:</u>
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:46; N Pos. 609
Seq#:47; Xaa Pos. 123
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Seq#:48; Xaa Pos. 79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97
Seq#:48; Xaa Pos. 98,99,100,101,102,103,104,105,106,107,108,111,112,113,114
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<u>Invalid Line Length:</u>
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 4
Seq#:49; Line(s) 2344,2365

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L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:1753 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:600
L:1814 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:112
L:2273 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0
M:341 Repeated in SeqNo=48
L:2485 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0
M:341 Repeated in SeqNo=49
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